Chart 11322 (Side B) NM 24/02

FREEPORT HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	43.0	44.0	41.0	3-02	400	3.7	47
JETTY CHANNEL	42.0	44.0	42.0	3-02	400	1.2	45
LOWER TURNING BASIN	37.0	41.0	41.0	3-02	750	0.9	45
THENCE TO BRAZOSPORT TURNING BASIN	39.0	43.0	38.0	3-02	400-600	0.4	45
BRAZOSPORT TURNING BASIN	41.0	43.0	41.0	3-02	500-1000	0.2	45
CHANNEL TO UPPER TURNING BASIN	37.0	48.0	45.0	4-02	280-470	0.9	45
BRAZOS HARBOR APPROACH CHANNEL	38.0	39.0	39.0	6-01	200-650	0.5	36
BRAZOS HARBOR TURNING BASIN	36.0	38.0	39.0	6-01	750	0.1	36
UPPER TURNING BASIN	48.0	49.0	49.0	4-02	600-1190	0.2	45
CHANNEL TO STAUFFER TURNING BASIN	17.0	19.0	17.5	11-88	200	1.0	25
STAUFFER TURNING BASIN	18.0	18.0	16.0	11-88	500	0.1	25

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11324 NM 24/02

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
GALVESTON HARBOR:								
ENTRANCE CHANNEL	44.0	47.0	45.0	40.0	11-01	800-1000	7.5	45
OUTER BAR CHANNEL	44.0	46.0	47.0	48.0	11-01	800	1.5	45
INNER BAR CHANNEL	41.0	44.0	44.0	40.0	11-01	800	2.9	45
BOLIVAR ROADS CHANNEL	47.0	47.0	46.0	40.0	11-01	800	0.7	45
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO LOWER END OF MORGAN PT.	28.0	36.0	40.0	28.0	10-01	400-530	23.4	40
GALVESTON CHANNEL	26.0	32.0	34.0	25.0	4-02	1125-1075	3.5	40
TEXAS CITY CHANNEL	38.0	43.0	44.0	42.0	1-02	400	5.9	40
TEXAS CITY TURNING BASIN	40.0	41.0	43.0	41.0	9-01	1200	0.5	40

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11325 NM 24/02

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT). LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HOUSTON SHIP CHANNEL:								
EXXON OIL CO. SLIP								
TO CARPENTERS BAYOU (A)	32.0	39.0	41.0	33.0	3-02	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	38.0	41.0	39.0	36.0	4-02	400-300	4.70	40
GREENS BAYOU CHANNEL								
(TO FIRST BEND)	37.0	36.0	36.0	36.0	4-02	500-175	0.34	36
THENCE TO HUNTING								
BAYOU (UPPER BEND)	39.0	42.0	44.0	42.0	2-02	300	1.91	40
TURNING POINT AT HUNTING BAYOU	43.0	42.0	42.0	41.0	1-02	600	0.17	40
THENCE TO SOUTHERN								
PACIFIC SLIP	38.0	40.0	41.0	37.0	1-02	300	3.04	40
TURNING POINT AT SIMS BAYOU	41.0	41.0	41.0	41.0	1-02	700	0.26	40
THENCE TO HOUSTON								
TURNING BASIN WHARF 15	37.0	38.0	38.0	37.0	11-01	300	2.69	36
TURNING POINT AT BRADY ISLAND	31.0	33.0	39.0	38.0	6-01	422	0.17	36
HOUSTON TURNING BASIN	36.0	37.0	37.0	35.0	11-01	250-1000	0.70	36
UPPER TURNING BASIN	35.0	37.0	37.0	38.0	11-01	150	0.23	36

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11329 NM 24/02

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT). LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LOWER END OF MORGAN PT.								
TO EXXON OIL CO. SLIP	36.0	40.0	39.0	33.0	3-02	400-525	4.20	40
EXXON OIL CO. SLIP								
TO CARPENTERS BAYOU (A)	32.0	39.0	41.0	33.0	3-02	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	38.0	41.0	39.0	36.0	4-02	400-300	4.70	40

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11342 NM 24/02

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	37	42	40	38	2-02	800	3.0	42
JETTY CHANNEL	37	41	40	30	3-02	800-500	3.5	40
PASS CHANNEL	34	40	40	36	4-02	500-1150	4.9	40
ANCHORAGE BASIN	33	19	13	6	4-02	1500	0.5	40
PORT ARTHUR SHIP CANAL	34	39	37	31	11-01	500	4.8	40
JUNCTION PORT ARTHUR-								
SABINE NECHES CANALS	21	31	26	25	11-01	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	29	29	30	28	3-02	282-735	0.2	40
EAST TURNING BASIN	35	36	36	37	6-01	370-547	0.3	40
WEST TURNING BASIN	29	29	31	29	3-02	350-735	0.3	40
CHANNEL CONNECTING								
WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	38	38	37	35	6-01	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	37	39	40	35	6-01	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	23	34	32	23	11-01	400	9.6	40
NECHES RIVER TO SABINE RIVER	26	28	27	26	10-01	200	3.9	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11493 NM N24/02

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002
AND SURVEYS TO MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.1	47.2	46.8	37.6	11-01; 3-02	500	12.36	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.6	45.3	44.5	35.0	7-01	493-1425	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11494 NM N24/02

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002
AND SURVEYS TO MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.1	47.2	46.8	37.6	11-01; 3-02	500	12.36	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11503 NM 24/02

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2002
AND SURVEYS TO MAR 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.1	47.2	46.8	37.6	11-01; 3-02	500	12.36	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.6	45.3	44.5	35.0	7-01	493-1425	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14839 NM 24/02

CLEVELAND HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEPT 2001 AND REPORTS TO MARCH 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
LAKE APPROACH CHANNEL	28.5	32.2	30.5	25.4	9-01	600-750	0.22	29
ENTRANCE CHANNEL	28.1	29.3	30.3	26.6	9-01	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	A19.3	25.1	28.3	21.1	3-01	230	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	B14.5	20.6	22.0	9.1	3-01	100-700	2.69	23
THENCE TO END OF PROJECT	C10.5	D20.7	E17.1	F11.4	3-01	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	17.7	23.4	22.4	G14.5	3-01	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	H20.0	23.6	23.5	20.3	8,9-01	500	3.11	25
TURNING BASIN	22.8	22.9	23.3	22.3	8,9-01	400-1600	0.33	25
EASTERN SECTION	22.6	23.2	22.4	17.9	8,9-01	1250-1540	0.72	27
WESTERN SECTION	21.4	24.7	27.9	26.7	9-01	1300-1540	0.28	28
WEST BASIN	I25.0	J25.2	K24.1	L21.0	9-01	1150-1570	0.91	28

A. EXCEPT FOR SHOALING TO 14.1 FEET AT 41°30'00.6"N 081°42'31.4"W UNDER RAILROAD BRIDGE.
B. EXCEPT FOR SHOALING TO 11.9 FEET AT 41°29'22.7"N 081°41'36.1"W.
C. EXCEPT FOR SHOALING TO 4.0 FEET AT 41°29'22.30"N 081°41'00.34"W AND TO 7.3 FT AT 41°29'21.8"N 081°41'36.0"W UNDER THE LORAIN CARNEGIE VIADUCT BRIDGE.
D. EXCEPT FOR SHOALING TO 13.2 FEET IN LAST 100 FEET OF QUARTER.
E. EXCEPT FOR SHOALING TO 12.9 FEET IN LAST 100 FEET OF QUARTER.
F. EXCEPT FOR SHOALING TO 5.3 FEET IN LAST 800 FEET OF QUARTER AND 8.2 FT AT 41°29'10.0"N 081°40'46.8"W.
G. EXCEPT FOR SHOALING TO 8.3 FEET AT 41°29'51.2"N 081°42'43.9"W.
H. EXCEPT FOR SHOALING TO 18.7 FEET AT 41°31'08.3"N 081°41'19.1"W AND 19.4 FEET AT 41°31'52.3"N 081°41'01.6"W.
I. EXCEPT FOR SHOALING TO 20.5 FEET IN WESTERN 450 FEET OF PROJECT.
J. EXCEPT FOR SHOALING TO 18.4 FEET IN WESTERN 550 FEET OF PROJECT.
K. EXCEPT FOR SHOALING TO 16.1 FEET IN WESTERN 900 FEET OF PROJECT.
L. EXCEPT FOR SHOALING TO 15.6 FEET IN WESTERN 500 FEET OF PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14846 (Page 1) NM 24/02

TOLEDO HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	25.3	27.2	27.0	24.9	4,5,8,9,10,12-01	500	18.0	28
MAUMEE MOORING BASIN	26.9	20.6	19.1	18.6	9-01	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER CHANNEL	24.0	23.7	23.6	22.1	3,4,10,11-01	400	2.65	27
RIVERSIDE TURNING BASIN	20.4	18.9	18.5	12.0	4-01	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED BRIDGE	21.7	25.8	25.7	23.0	3,4,11-01	200	2.51	27
THENCE TO BUOY 67	24.3	22.9	24.2	24.8	10,11-01	200	1.08	27
TURNING BASIN	25.9	25.0	24.4	19.5	10,11-01	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF PROJECT	5.6	8.2	9.3	9.3	11-01	200	.47	25
TURNING BASIN	10.9	11.2	11.9	11.9	11-01	835	.16	18

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14847 NM 24/02

TOLEDO HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	25.3	27.2	27.0	24.9	4,5,8,9,10,12-01	500	18.0	28
MAUMEE MOORING BASIN	26.9	20.6	19.1	18.6	9-01	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER CHANNEL	24.0	23.7	23.6	22.1	3,4,10,11-01	400	2.65	27
RIVERSIDE TURNING BASIN	20.4	18.9	18.5	12.0	4-01	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED BRIDGE	21.7	25.8	25.7	23.0	3,4,11-01	200	2.51	27
THENCE TO BUOY 67	24.3	22.9	24.2	24.8	10,11-01	200	1.08	27
TURNING BASIN	25.9	25.0	24.4	19.5	10,11-01	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF PROJECT	5.6	8.2	9.3	9.3	11-01	200	.47	25
TURNING BASIN	10.9	11.2	11.9	11.9	11-01	835	.16	18

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14848 NM 24/02

DETROIT RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	24.9	27.9	27.9	22.9A	4-97; 4-99; 7-00; 6,7-01	600	3.5	28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	27.5	27.5	21.0C	5-96; 6,7-00; 7-01	450	3.1	27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	25.3	27.6	27.6	22.0	6,7-00	450	1.7	27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'08"N 83°08'05"W	24.6	27.9	27.9	24.9	6-01	450-800	1.1	27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'05"W TO LT "D30"	24.2	28.8	28.8	26.2	6,7-01	800	1.7	28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D56"	26.9D	26.9	20.6	19.3	6,7-01	600	2.4	RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D56" TO LT "D30"	26.5	26.9E	20.3	19.7	6,7-01	400-700	4.5	RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°00'20"N 83°08'25"W	20.7	28.7	29.5	26.9	7-96; 6-01	1200	1.5	29.0
EAST OUTER CHANNEL	23.8	27.0	27.6	23.6	5-91; 6-99	1200	7.5	28.5
WEST OUTER CHANNEL	F	F	F	F	1987	800	4	22.0

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER
B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER
E. SHOALING TO 21.3 FEET IN THE INSIDE 50 FEET OF QUARTER
F. NOT SURVEYED RECENTLY

NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS

Chart 14853 (Page 2) NM 24/02

DETROIT RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	24.9	27.9	27.9	22.9A	4-97; 4-99; 7-00; 6,7-01	600	3.5	28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	27.5	27.5	21.0C	5-96; 6,7-00; 7-01	450	3.1	27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	25.3	27.6	27.6	22.0	6,7-00	450	1.7	27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'08"N 83°08'05"W	24.6	27.9	27.9	24.9	6-01	450-800	1.1	27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'05"W TO LT "D30"	24.2	28.8	28.8	26.2	6,7-01	800	1.7	28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D56"	26.9D	26.9	20.6	19.3	6,7-01	600	2.4	RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D56" TO LT "D30"	26.5	26.9E	20.3	19.7	6,7-01	400-700	4.5	RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°00'20"N 83°08'25"W	20.7	28.7	29.5	26.9	7-96; 6-01	1200	1.5	29.0

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER
B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER
D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER
E. SHOALING TO 21.3 FEET IN THE INSIDE 50 FEET OF QUARTER

NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS

Chart 14854 NM 24/02

DETROIT RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2001

CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	24.9	27.9	27.9	22.9A	4-97; 4-99; 7-00; 6,7-01	600	3.5	28.5

A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER

NOTE: CONSULT THE US ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS